

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Canceled)
3. (Currently Amended) The ~~dental-molding~~ artificial tooth according to Claim 2 17, wherein the ~~layer of fluorescent material~~ polymerizable mixture further comprises up to 40 percent by weight bead polymer.
4. (Currently Amended) The ~~dental-molding~~ artificial tooth according to Claim 2 17, wherein the ~~layer of fluorescent material~~ polymerizable mixture further comprises up to 2 percent by weight pigment.
5. (Currently Amended) The ~~dental-molding~~ artificial tooth according to Claim 2 17, wherein the polymerizable mixture comprises at least one monomer ~~is at least one member~~ selected from the group consisting of ethylenically unsaturated monomers, monofunctional or polyfunctional acrylates and methacrylates, alkyl methacrylates, methyl methacrylate, ethyl methacrylate, isobutyl and *n*-butyl methacrylate, *n*-hexyl methacrylate, ethylhexyl methacrylate and hydroxyethyl methacrylate.
6. (Currently Amended) The ~~dental-molding~~ artificial tooth according to Claim 2 17, wherein the polymerizable mixture comprises at least one crosslinking agent ~~is at least one member~~ selected from the group consisting of polyfunctional methacrylates and polyfunctional

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acrylates, tetraethylene glycol dimethacrylate, triethylene glycol dimethacrylate, diethylene glycol dimethacrylate, ethylene glycol dimethacrylate, polyethylene glycol dimethacrylate, butanediol dimethacrylate, hexanediol dimethacrylate, decanediol dimethacrylate and dodecanediol dimethacrylate, bis-GMA, bis-GA, trimethylolpropane trimethacrylate, products of the reaction of isocyanates, diisocyanates or triisocyanates with hydroxymethacrylates or hydroxyacrylates, pentaerythritol tetraacrylates.

7. (Currently Amended) The ~~dental-molding~~ artificial tooth according to Claim 3, wherein the bead polymer is at least one member selected from the group consisting of polymethyl methacrylate or copolymers with a particle size of 5 to 70 μm and a molecular weight between 400,000 and 900,000, wherein the copolymer is allyl methacrylate, ethyl methacrylate, ethylhexyl methacrylate, methyl acrylate, methacrylic acid, isobutyl and *n*-butyl methacrylate, hexyl methacrylate, butanediol dimethacrylate, ethylene glycol dimethacrylate.

8. (Currently Amended) The ~~dental-molding~~ artificial tooth according to Claim ~~2~~ 17, wherein the polymerizable mixture comprises at least one initiator ~~is at least one member~~ selected from the group consisting of peroxides, dibenzoyl peroxide, tertiary amines, dimethyl *p*-toluidine.

9. (Currently Amended) The ~~dental-molding~~ artificial tooth according to Claim 4, wherein the pigment is at least one member selected from the group consisting of titanium dioxide, chromium oxides, antimony oxides, iron oxides, carbon, barium sulfate, azo calcium salts, nickel oxides, azo compounds, ultramarine and mixed oxides of these metals.

10. (Currently Amended) The ~~dental-molding~~ artificial tooth according to Claim ~~2~~ 17,

wherein the polymerizable mixture comprises at least one additive is at least one member selected from the group consisting of fluorescent pigments and/or dyes: benzoid and quinoid aromatics and heteroaromatics, triaryl methanes, anthraquinones, chromenes, xanthenes, indoles, quinolines, acridines, phenoxazines, phenothiazines, azo and stilbene dyes, indigo derivatives, phthalocyanines, tetrapyrrole dyes; optical brighteners: thiophenediyl benzoxazoles, stilbene benzoxazoles, 7-amino-4-methyl coumarin, dibenzopyridine, azaanthracenes, phenylenediamine, naphthylamine, coumarin, 7-hydroxycoumarin; and fillers: pyrogenic silicon dioxide, highly dispersed titanium dioxide with a particle size of less than 100 nm.

11. (Currently Amended) The ~~dental molding~~ artificial tooth according to Claim 10, wherein the particle size of the fillers is approximately 10 nm.

12. (Canceled)

13. (Currently Amended) A method of producing a ~~dental molding~~ an artificial tooth according to Claim + 17, said method comprising arranging a layer of fluorescent material between the dentin layer and the incisal layer.

14. (Canceled)

15. (Currently Amended) A method of providing a patient with a more aesthetic appearance, said method comprising affixing a ~~dental molding~~ an artificial tooth according to Claim + 17 to a jaw bone of said patient.

16. (Canceled)

17. (New) An artificial tooth comprising:

- (a) an inner neck layer;
- (b) a dentin layer provided above said neck layer;
- (c) a fluorescent material layer provided above said dentin layer; and
- (d) an outer enamel layer provided above said fluorescent material layer;

wherein said fluorescent material layer comprises a fluorescent material obtainable by polymerizing a polymerizable mixture comprising 5.00 to 95 % by weight of monomer, 0.5 to 90% by weight crosslinking agent, 0.1 to 1 % by weight initiator and 0.01 to 30% by weight of fluorescent additive.